Table J2. - Chemical Properties of the Soils

Hanover County, Virginia

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
1B:								
Abell	0-15	3.5-9.0	2.6-6.8	4.5 - 6.0				
	15-27	4.5-9.9	3.4-7.4	4.5 - 6.0				
	27-39	7.5-14	5.6-10	4.5 - 6.0				
	39-60	2.5-7.9	1.9-5.9	4.5 - 6.0				
Appling								
Cecil								
Chewacla								
Colfax								
Fluvaquents								
Helena								
Pacolet								
Pamunkey variant								
Vance								
Wedowee								
Worsham								
2:								
Altavista	0-18	3.6-12	2.7-8.8	3.6 - 6.5				
/ itaviota	18-41	3.8-8.8	2.8-6.6	3.6 - 6.0				
	41-79	0.8-8.8	0.6-6.6	3.5 - 6.0				
Aquults								
Bolling variant								
Fluvaquents								
Forestdale								
Fork								
Iredell								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
2:								
Myatt variant								
Worsham								
3B:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5				
0	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5				
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5				
Abell								
Bourne								
Colfax								
Fluvaquents								
Norfolk								
Helena								
Spotsylvania								
Vance								
Varina								
Worsham								
3C2:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5				
0	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5				
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5				
Abell								
Ashlar								
Bourne								
Fluvaquents								
Vance								
Varina								

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
3C2:								
Worsham								
IB:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5				
11 0	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5				
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5				
Bourne								
Spotsylvania								
Abell								
Edgehill variant								
4C:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5				
Дринд	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5				
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5				
Abell								
Bourne								
Edgehill variant								
Fluvaquents								
Spotsylvania								
5C:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5				
€ייייים יי	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5				
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5				
Ashlar	0-11	1.6-3.8	1.2-2.8	4.5 - 6.0				
	11-30	0.5-2.6	0.4-2.0	4.5 - 5.5				
	30-34							
Edgehill variant								
Rock Outcrop								
Vance								

6:

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
6:								
Aquults	0-6	5.8-13	4.3-9.8	3.6 - 5.5			0.0	0
	6-8	7.0-13	5.2-10	3.6 - 5.5			0.0	0
	8-50	12-22	9.2-17	3.6 - 5.5			0.0	0
	50-65	1.8-19	1.3-14	3.6 - 6.5			0.0	0
Colfax								
Coxville								
Helena								
Worsham								
7:								
Atlee	0-9	4.0-9.5	3.0-7.1	3.6 - 6.0				
Allee	9-27	2.5-7.5	1.9-5.6	3.6 - 5.5				
	27-52	2.5-8.8	1.9-6.6	3.6 - 5.5				
	52-79	5.0-11	3.8-8.4	3.6 - 5.5				
Bourne								
Coxville								
Dunbar								
Faceville								
Norfolk								
Orangeburg								
8:								
o. Augusta	0-7	2.4-9.5	1.8-7.1	4.5 - 6.0				
Augusta	7-50	3.8-8.8	2.8-6.6	4.5 - 6.0				
	50-76	1.2-5.0	0.9-3.8	4.5 - 6.0				
Altavista								
Duplin								
Goldsboro								
Kenansville variant								
Myatt variant								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
8: Rains								
Bourne								
Coxville								
Fluvaquents								
9:								
Bolling variant	0-11	2.9-9.5	2.2-7.1	5.1 - 6.5				
	11-35	2.5-7.5	1.9-5.6	5.1 - 6.5				
	35-64	0.5-7.5	0.4-5.6	5.1 - 6.5				
Augusta								
Altavista								
10B:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5				
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5				
	68-76	3.0-15	2.2-11	3.6 - 6.0				
Atlee								
Dogue								
Abell								
Augusta								
Caroline								
Colfax								
Coxville								
Creedmoor								
Dunbar								
Duplin								
Goldsboro								
Mayodan								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
10B:								
Norfolk								
Pamunkey								
Spotsylvania								
Suffolk								
Varina								
10C:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5				
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5				
	68-76	3.0-15	2.2-11	3.6 - 6.0				
Abell								
Dunbar								
Fluvaquents								
Kempsville								
Norfolk								
Spotsylvania								
Suffolk								
Varina								
11B:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5				
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5				
	68-76	3.0-15	2.2-11	3.6 - 6.0				
Varina	0-7	1.6-6.5	1.2-4.9	4.5 - 6.5				
vannu	7-65	3.5-4.0	2.6-3.0	4.5 - 5.5				
Colfax								
Creedmoor								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
1B: Faceville								
Norfolk								
Orangeburg								
Spotsylvania								
Vance								
Appling								
Mayodan								
1C:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5				
	24-68 68-76	3.8-8.8 3.0-15	2.8-6.0 2.2-11	3.6 - 5.5 3.6 - 6.0				
Varina	0-7 7-65	1.6-6.5 3.5-4.0	1.2-4.9 2.6-3.0	4.5 - 6.5 4.5 - 5.5				
Appling								
Colfax								
Fluvaquents								
Helena								
Pacolet								
Wedowee								
Worsham								
2B:								
Caroline	0-8	3.6-9.5	2.7-7.1	4.5 - 6.0				
	8-78	8.8-14	6.6-10	4.5 - 5.5				
Atlee								
Suffolk								
Bourne								

Dogue	Salinity Sodium Adsorption Ratio	Gypsum Salinit	on- Gyps	Calciui Carboi ate	Soil Reaction	Effective Cation Exchange Capacity	Cation Exchange Capacity	Depth	Map Symbol and Soil Name
Dogue </td <td>mhos/cm</td> <td>Pct mmhos/d</td> <td>ct Po</td> <td>Pct</td> <td>рН</td> <td>meq/100 g</td> <td>meq/100 g</td> <td>ln</td> <td>12R·</td>	mhos/cm	Pct mmhos/d	ct Po	Pct	рН	meq/100 g	meq/100 g	ln	12R·
Duplin Goldsboro Kempsville Duplin Norfolk Duplin 12D2: Caroline Duplin Faceville Duplin Du									120.
Goldsboro									Dogue
Kempsville									Duplin
Norfolk									Goldsboro
12D2: Caroline									Kempsville
Caroline									Norfolk
Caroline									4000
Saceville			_		45-60	2 7-7 1	3 6-0 5	0-8	
Fluvaquents									Garonic
Fluvaquents									
13B2: Caroline 0-8 3.6-9.5 2.7-7.1 4.5-6.0 8-78 8.8-14 6.6-10 4.5-5.5 Dogue 0-11 2.4-6.0 1.8-4.5 3.6-5.5 11-51 8.8-14 6.6-10 3.6-5.5 51-79 1.2-13 0.9-9.4 3.6-5.5 Atlee Duplin Faceville Goldsboro Norfolk Norfolk Suffolk 13C2: Caroline 0-8 3.6-9.5 2.7-7.1 4.5-6.0									Faceville
Caroline 0-8 3.6-9.5 2.7-7.1 4.5 - 6.0									Fluvaquents
B-78 8.8-14 6.6-10 4.5 - 5.5									13B2:
Dogue 0-11 2.4-6.0 1.8-4.5 3.6 - 5.5					4.5 - 6.0	2.7-7.1	3.6-9.5	0-8	Caroline
11-51 8.8-14 6.6-10 3.6 - 5.5 51-79 1.2-13 0.9-9.4 3.6 - 5.5					4.5 - 5.5	6.6-10	8.8-14	8-78	
11-51 8.8-14 6.6-10 3.6 - 5.5 51-79 1.2-13 0.9-9.4 3.6 - 5.5					3.6 - 5.5	1.8-4.5	2.4-6.0	0-11	Dogue
Atlee								11-51	J
Duplin <t< td=""><td></td><td></td><td></td><td></td><td>3.6 - 5.5</td><td>0.9-9.4</td><td>1.2-13</td><td>51-79</td><td></td></t<>					3.6 - 5.5	0.9-9.4	1.2-13	51-79	
Faceville									Atlee
Goldsboro									Duplin
Norfolk									Faceville
Suffolk									Goldsboro
13C2: Caroline 0-8 3.6-9.5 2.7-7.1 4.5 - 6.0									Norfolk
13C2: Caroline 0-8 3.6-9.5 2.7-7.1 4.5 - 6.0									Suffolk
Caroline 0-8 3.6-9.5 2.7-7.1 4.5 - 6.0									1202
					45.60	9 7 ₋ 7 1	3 6.0 5	U⁻8	
									Garonito
Demis 0.44 0.460 4.045 0.055					20 55	1045	0.4.0.0	0.44	Dague
Dogue 0-11 2.4-6.0 1.8-4.5 3.6 - 5.5 11-51 8.8-14 6.6-10 3.6 - 5.5			 -						⊔ogue
51-79 1.2-13 0.9-9.4 3.6 - 5.5									

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
13C2:	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Bourne								
Faceville								
Fluvaquents								
Goldsboro								
Norfolk								
Orangeburg								
Suffolk								
14B2:								
Cecil	0-5 5-53 53-60	1.6-4.2 3.5-7.5 1.0-4.0	1.2-3.2 2.6-5.6 0.8-3.0	4.5 - 6.5 4.5 - 5.5 3.6 - 6.0			 	
Abell								
Bourne								
Iredell								
Orange								
Faceville								
Fluvanna								
Kenansville								
Orangeburg								
Spotsylvania								
Vance								
Varina								
14C2:								
Cecil	0-5 5-53 53-60	1.6-4.2 3.5-7.5 1.0-4.0	1.2-3.2 2.6-5.6 0.8-3.0	4.5 - 6.5 4.5 - 5.5 3.6 - 6.0			 	

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
14C2:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Abell								
Iredell								
Orange								
Bourne								
Faceville								
Fluvanna								
Fluvaquents								
Orangeburg								
Spotsylvania								
Vance								
Varina								
Worsham								
15B2:								
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5				
	5-53 53-60	3.5-7.5 1.0-4.0	2.6-5.6 0.8-3.0	4.5 - 5.5 3.6 - 6.0				
	33-00	1.0-4.0	0.6-3.0	3.0 - 0.0				
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0				
	12-48 48-68	3.5-6.0	2.6-4.5	4.5 - 5.5				
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0				
Abell								
Faceville								
Fluvanna								
Spotsylvania								
Varina								
Wedowee								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	ln	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
5C2:								
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5				
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5				
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0				
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0				
vanos	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5				
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0				
	10 00	1.2 1.0	0.0 0.0	0.0 0.0				
Bourne								
Fluvanna								
Spotsylvania								
Varina								
-D0								
5D2:	0.5	4040	4000	45.05				
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5				
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5				
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0				
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0				
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5				
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0				
Ashlar								
Fluvaquents								
Varina								
6:								
Chewacla	0-9	3.5-14	2.6-11	4.5 - 6.5				
	9-42	5.6-13	4.2-9.9	4.5 - 6.5				
	42-60	1.1-11	0.8-8.1	4.5 - 6.5				
Abell								
Altavista								
Augusta								
Bolling variant								
Fluvaquents								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
16:								
17B:								
Colfax	0-8	3.5-12	2.6-8.8	3.6 - 5.5				
	8-24 24-60	3.8-9.9 3.8-8.6	2.8-7.4 2.8-6.5	3.6 - 5.5 3.6 - 5.5				
Abell								
Appling								
Cecil								
Helena								
Vance								
Fluvaquents								
Orange								
Spotsylvania								
Worsham								
17C:								
Colfax	0-8	3.5-12	2.6-8.8	3.6 - 5.5				
	8-24 24-60	3.8-9.9 3.8-8.6	2.8-7.4 2.8-6.5	3.6 - 5.5 3.6 - 5.5				
	24-00	3.0-0.0	2.0-0.5	3.0 - 3.3				
Appling								
Fluvaquents								
Helena								
Orange								
Worsham								
18:								
Coxville	0-12	5.0-12	3.8-8.8	3.6 - 5.5				
	12-79	3.5-7.7	2.6-5.8	3.6 - 5.5				
Atlee								
Dunbar								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
18:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Duplin								
Faceville								
Fluvaquents								
Lenoir								
Orangeburg								
Rains								
19B:								
Creedmoor	0-11	3.6-12	2.7-8.6	3.6 - 5.5				
orecamoor	11-39	7.0-22	5.2-17	3.6 - 5.5				
	39-58	5.2-20	3.9-15	3.6 - 5.5				
	58-79	1.8-7.0	1.3-5.2	3.6 - 5.5				
Bourne								
Colfax								
Edgehill variant								
Mayodan								
Norfolk								
Pamunkey								
Pinkston								
Worsham								
200.								
20B: Creedmoor variant	0-10	3.9-12	2.9-8.6	4.5 - 6.5				
Creeumoor variant	10-55	3.9-12 7.0-22	2.9-8.6 5.2-17	4.5 - 6.5 4.5 - 5.5				
	55-79	8.5-26	2.6-19	3.6 - 6.5				
Colfax								
Duplin								
Mayodan								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
20B:								
Suffolk								
Worsham								
21B2:								
Cullen	0-8	6.0-11	4.5-8.4	5.1 - 6.0				
	8-58	10-15	7.5-11	5.1 - 6.0				
	58-79	2.5-13	1.9-9.4	5.1 - 6.0				
Worsham								
Abell								
Colfax								
Helena								
Pacolet								
Vance								
Wedowee								
21C2:								
Cullen	0-8	6.0-11	4.5-8.4	5.1 - 6.0				
	8-58	10-15	7.5-11	5.1 - 6.0				
	58-79	2.5-13	1.9-9.4	5.1 - 6.0				
Abell								
Colfax								
Fluvaquents								
Helena								
Pacolet								
Vance								
Varina								
Wedowee								
Worsham								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
21D2: Cullen	0-8	6.0-11	4 5 0 4	5.1 - 6.0				
Culleri	0-6 8-58	10-15	4.5-8.4 7.5-11	5.1 - 6.0 5.1 - 6.0				
	58-79	2.5-13	1.9-9.4	5.1 - 6.0				
Ashlar								
Fluvaquents								
Pacolet								
Vance								
Wedowee								
22:								
Dawhoo variant	0-20	5.8-14	4.3-11	5.6 - 7.3				
	20-50	1.6-12	1.2-9.0	5.6 - 7.3				
	50-63	0.5-9.8	0.4-7.3	5.6 - 7.3				
Forestdale								
Wehadkee								
23:								
Dogue	0-11	2.4-6.0	1.8-4.5	3.6 - 5.5				
	11-51	8.8-14	6.6-10	3.6 - 5.5				
	51-79	1.2-13	0.9-9.4	3.6 - 5.5				
Abell								
Altavista								
Atlee								
Bourne								
Caroline								
Colfax								
Duplin								
Forestdale								
Goldsboro								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
23: Kempsville								
Masada								
Norfolk								
								
Wahee								
24:								
Dunbar	0-10 10-65	5.0-12 3.5-6.6	3.8-8.8 2.6-4.9	4.5 - 5.5 4.5 - 5.5				
	10-05	3.3-0.0	2.0-4.9	4.5 - 5.5				
Atlee								
Bourne								
Caroline								
Coxville								
Dogue								
Duplin								
Norfolk								
25A:								
Duplin	0-9	1.5-6.3	1.1-4.7	5.1 - 7.3				
	9-72	3.5-6.0	2.6-4.5	4.5 - 5.5				
Orangeburg								
Bourne								
Coxville								
Dunbar								
Faceville								
Fluvaquents								
Goldsboro								
Norfolk								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
25A: Varina								
25B:								
Duplin	0-9 9-72	1.5-6.3 3.5-6.0	1.1-4.7 2.6-4.5	5.1 - 7.3 4.5 - 5.5				
Bourne								
Coxville								
Dunbar								
Faceville								
Fluvaquents								
Goldsboro								
Norfolk								
Orangeburg								
Varina								
26B:								
Edgehill variant	0-18 18-64	1.9-6.5 2.0-3.5	1.4-4.9 1.5-2.6	4.5 - 6.0 4.5 - 5.5				
Abell								
Duplin								
Goldsboro								
Norfolk								
Bourne								
Coxville								
Creedmoor								
Faceville								
Orangeburg								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
000	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
26B:								
Pinkston								
Varina								
27B:								
Fluvanna	0-9	4.0-16	3.0-12	4.5 - 5.5				
	9-59	12-23	9.2-17	4.5 - 5.5				
	59-70	7.0-14	5.2-11	4.5 - 5.5				
Bourne								
Colfax								
Georgeville								
Georgeville								
Helena								
Iredell								
Orange								
27C2:								
Fluvanna	0-9	4.0-16	3.0-12	4.5 - 5.5				
	9-59	12-23	9.2-17	4.5 - 5.5				
	59-70	7.0-14	5.2-11	4.5 - 5.5				
Colfax								
Fluvaquents								
Georgeville								
Helena								
Orange								
8:								
Fluvaquents	0-4	8.0-18	6.0-14	4.5 - 5.5				
	4-52	1.2-14	0.9-10	4.5 - 5.5				
	52-74	0.2-12	0.1-8.8	4.5 - 5.5				
Goldsboro								
Udifluvents								
Abell								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
28:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Chavrada								
Chewacla								
Colfax								
Helena								
Kenansville variant								
29:								
Forestdale	0-8	6.1-17	4.6-13	4.5 - 6.0				
	8-46	18-30	13-23	4.5 - 6.0				
	46-60	5.0-18	3.8-13	4.5 - 7.8				
Worsham								
Bourne								
Colfax								
Dogue								
Fluvaquents								
Helena								
Orange								
30:								
Forestdale	0-8	6.1-17	4.6-13	4.5 - 6.0				
	8-46	18-30	13-23	4.5 - 6.0				
	46-60	5.0-18	3.8-13	4.5 - 7.8				
Abell								
Altavista								
Bolling variant								
Dunbar								
Fluvaquents								
Iredell								
Cullen								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
0:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Orange								
Vance								
1:								
Fork	0-18	4.8-12	3.6-8.8	4.5 - 6.0				
	18-42	4.5-8.8	3.4-6.6	4.5 - 7.3				
	42-64	0.5-8.8	0.4-6.6	6.1 - 7.3				
Altavista								
Chewacla								
Dogue								
Fluvaquents								
Pamunkey								
Wahee								
Wehadkee								
2B:								
Georgeville	0-10	2.1-7.2	1.6-5.4	4.5 - 6.0				
	10-56 56-93	3.5-7.6 1.5-7.1	2.6-5.7 1.1-3.8	4.5 - 5.5 4.5 - 5.5				
Colfax								
Fluvanna								
Pacolet								
2C2:								
Georgeville	0-10	2.1-7.2	1.6-5.4	4.5 - 6.0				
	10-56	3.5-7.6	2.6-5.7	4.5 - 5.5				
	56-93	1.5-7.1	1.1-3.8	4.5 - 5.5				
Fluvanna								
Fluvaquents								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
33B:								
Goldsboro	0-10	2.4-8.2	1.8-6.2	3.6 - 6.0				
	10-69 69-79	4.5-8.6 2.5-6.8	3.4-6.5 1.9-5.1	3.6 - 5.5 3.6 - 5.5				
	69-79	2.5-0.6	1.9-5.1	3.6 - 5.5				
Altavista								
Augusta								
Bourne								
Caroline								
Caroline								
Dogue								
20940								
Dunbar								
Duplin								
Fluvaquents								
Kempsville								
Kempsville								
Norfolk								
34B:								
Goldsboro	0-10	2.4-8.2	1.8-6.2	3.6 - 6.0				
	10-69	4.5-8.6	3.4-6.5	3.6 - 5.5				
	69-79	2.5-6.8	1.9-5.1	3.6 - 5.5				
Altavista								
Allavista								
Augusta								
J								
Dogue								
Duplin								
F								
Fluvaquents								
Lenoir								
==:::•::								
35B:								
Helena	0-6	2.9-12	2.2-8.6	3.6 - 6.5				
	6-47	12-22	9.2-17	3.6 - 5.5				
	47-60	11-21	7.9-16	3.6 - 6.0				

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
_	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
5B:								
Colfax	8-0	3.5-12	2.6-8.8	3.6 - 5.5				
	8-24	3.8-9.9	2.8-7.4	3.6 - 5.5				
	24-60	3.8-8.6	2.8-6.5	3.6 - 5.5				
Abell								
Altavista								
Fluvanna								
Worsham								
Forestdale								
Orange								
Pacolet								
Vance								
Appling								
Aquults								
Fluvaquents								
Wahee								
Wedowee								
6C:								
Helena	0-6	2.9-12	2.2-8.6	3.6 - 6.5				
	6-47	12-22	9.2-17	3.6 - 5.5				
	47-60	11-21	7.9-16	3.6 - 6.0				
0	0.40	4.0.47	2.0.40	F4 0 F				
Orange	0-10	4.8-17 18-31	3.6-13	5.1 - 6.5				
	10-42 42-60	18-31 5.0-18	13-23 3.8-14	5.1 - 6.5 5.6 - 7.8				
	72-00	0.0-10	0.0-17	0.0 - 1.0			_	
Abell								
Colfax								
Fluvaquents								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
200	In	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
36C:								
Worsham								
37:								
Hydraquents	0-20	37-66	27-50	3.6 - 5.5			0.0-2.0	10-20
	20-40	24-55	18-41	3.6 - 5.5			0.0-2.0	10-20
	40-80	13-55	9.8-41	5.1 - 7.3			1.0-8.0	2-13
Fluvaquents								
38C:								
Iredell	0-9	6.1-15	4.6-11	5.1 - 7.3				
	9-34	18-36	13-27	5.6 - 7.3				
	34-79	5.0-20	3.8-15	6.6 - 7.8				
Orange	0-10	4.8-17	3.6-13	5.1 - 6.5				
	10-42	18-31	13-23	5.1 - 6.5				
	42-60	5.0-18	3.8-14	5.6 - 7.8				
Fluvaquents								
Helena								
Worsham								
Abell								
Cecil								
Colfax								
Cullen								
Pacolet								
racolet								
Vance								
39B:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5				
	12-45	3.0-8.6	2.2-6.5	4.5 - 5.5				
	45-60	1.8-7.3	1.3-7.0	4.5 - 5.5				
Bourne								
Faceville								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
9B:								
Kenansville								
Orangeburg								
Suffolk								
Caroline								
Dogue								
Duplin								
Goldsboro								
Norfolk								
9C:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5				
Tterripovine	12-45	3.0-8.6	2.2-6.5	4.5 - 5.5				
	45-60	1.8-7.3	1.3-7.0	4.5 - 5.5				
Bourne								
Faceville								
Fluvaquents								
Goldsboro								
Orangeburg								
Suffolk								
0A:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5				
Remporino	12-45	3.0-8.6	2.2-6.5	4.5 - 5.5				
	45-60	1.8-7.3	1.3-7.0	4.5 - 5.5				
Dourne	0.40	2 5 40	2600	45.05				
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5				
	24-68 68-76	3.8-8.8 3.0-15	2.8-6.0 2.2-11	3.6 - 5.5 3.6 - 6.0				
		-						
Dunbar								
Duplin								

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
40A:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Goldsboro								
Kenansville								
Norfolk								
Orangeburg								
Faceville								
Fluvaquents								
Suffolk								
40B:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5				
	12-45 45-60	3.0-8.6 1.8-7.3	2.2-6.5 1.3-7.0	4.5 - 5.5 4.5 - 5.5				
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
Bourne	13-24	5.0-8.8	3.8-6.6	4.5 - 0.5 3.6 - 5.5				
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5				
	68-76	3.0-15	2.2-11	3.6 - 6.0				
Dunbar								
Duplin								
Faceville								
Fluvaquents								
Goldsboro								
Kenansville								
Norfolk								
Orangeburg								
Suffolk								

41:



Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
41:								
Kenansville	0-21	1.9-7.0	1.4-5.2	4.5 - 6.0				
	21-48 48-79	1.2-9.2 0.2-3.0	0.9-6.9 0.2-2.2	4.5 - 6.0 4.5 - 6.0				
	40-13	0.2-3.0	0.2-2.2	4.0 - 0.0				
Dogue								
Goldsboro								
Kempsville								
Norfolk								
Orangeburg								
Suffolk								
42:								
Kenansville variant	0-21	1.9-3.5	1.4-2.6	5.1 - 6.5				
renansvine variant	21-48	1.0-6.1	0.8-4.6	5.1 - 6.5				
	48-79	0.2-2.5	0.2-1.9	5.1 - 6.0				
Altavista								
Augusta								
Fluvaquents								
Suffolk								
Wehadkee								
43:								
Lenoir	0-9	6.6-16	4.9-12	3.6 - 5.5				
-	9-99	12-21	9.2-16	3.6 - 5.5				
Coxville								
Dogue								
Dunbar								
Duplin								
44B:								



Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	<u></u>
44B:								
Masada	0-8	4.8-12	3.6-8.8	4.5 - 5.5				
	8-53	5.0-14	3.8-11	4.5 - 5.5				
	53-67	1.2-16	0.9-12	4.5 - 5.5				
Altavista								
Appling								
Cecil								
Pacolet								
Turbeville								
45B:								
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0				
a, ouu	8-47	3.8-8.2	2.9-6.2	4.5 - 6.0				
	47-79	2.0-5.1	1.5-3.8	4.5 - 5.5				
Creedmoor	0-11	3.6-12	2.7-8.6	3.6 - 5.5				
Creedinoor								
	11-39	7.0-22	5.2-17	3.6 - 5.5				
	39-58 58-79	5.2-20 1.8-7.0	3.9-15 1.3-5.2	3.6 - 5.5 3.6 - 5.5				
D								
Bourne								
Edgehill variant								
Fluvaquents								
Helena								
Pinkston								
46:								
Myatt variant	0-10	3.5-12	2.6-8.8	3.6 - 6.0				
Wydie Variane	10-45	5.0-11	3.8-8.3	3.6 - 5.5				
	45-60	0.5-6.1	0.4-4.6	3.6 - 5.5				
Altavista								
Augusta								
Chewacla								
Fluvaquents								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
46:	ln	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
Kenansville variant								
Wehadkee								
47A:	0.44	2400	4000	20.00				
Norfolk	0-14 14-79	2.4-9.0 4.5-8.8	1.8-6.8 3.4-6.6	3.6 - 6.0 3.6 - 5.5				
Dogue								
Dunbar								
Duplin								
Suffolk								
Atlee								
Bourne								
Coxville								
Faceville								
Goldsboro								
Kempsville								
Orangeburg								
47B:								
Norfolk	0-14 14-79	2.4-9.0 4.5-8.8	1.8-6.8 3.4-6.6	3.6 - 6.0 3.6 - 5.5				
Abell								
Atlee								
Bourne								
Caroline								
Cecil								
Coxville								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
47D:	In	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
47B:								
Dogue								
Dunbar								
Duplin								
Edgehill variant								
Faceville								
Goldsboro								
Kempsville								
Orangeburg								
Pacolet								
Spotsylvania								
Suffolk								
Vance								
Wedowee								
Worsham								
48B:								
Orange	0-10	4.8-17	3.6-13	5.1 - 6.5				
2.49	10-42	18-31	13-23	5.1 - 6.5				
	42-60	5.0-18	3.8-14	5.6 - 7.8				
lua dall	0.0	0.4.45	4.0.44	F 4 7 0				
Iredell	0-9	6.1-15	4.6-11	5.1 - 7.3				
	9-34 34-79	18-36 5.0-20	13-27 3.8-15	5.6 - 7.3 6.6 - 7.8				
	34-79	5.0-20	3.0-13	0.0 - 7.0				
Abell								
Appling								
Bourne								
Colfax								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
48B: Fluvaquents								
Pacolet								
Vance								
Wedowee								
Forestdale								
Helena								
Cecil								
Worsham								
49B:								
Orangeburg	0-16	2.9-9.5	2.2-7.1	4.5 - 6.0				
	16-70	1.8-5.1	1.3-3.8	4.5 - 6.0				
Kenansville								
Bourne								
Dogue								
Faceville								
Goldsboro								
Kempsville								
Norfolk								
Suffolk								
Varina								
50A:								
Orangeburg	0-16 16-70	2.9-9.5 1.8-5.1	2.2-7.1 1.3-3.8	4.5 - 6.0 4.5 - 6.0				
Faceville	0-10 10-17	 	2.0-4.0 3.0-4.0	4.5 - 5.5 4.5 - 5.5			 	
Atlee								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
50A:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Bourne								
Coxville								
Dogue								
Dunbar								
Duplin								
Goldsboro								
Kempsville								
Norfolk								
Suffolk								
50B:								
Orangeburg	0-16 16-70	2.9-9.5 1.8-5.1	2.2-7.1 1.3-3.8	4.5 - 6.0 4.5 - 6.0				
Faceville	0-10 10-17		2.0-4.0 3.0-4.0	4.5 - 5.5 4.5 - 5.5				
Appling								
Atlee								
Bourne								
Cecil								
Coxville								
Creedmoor								
Dogue								
Dunbar								
Kempsville								
Mayodan								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
50C:								
Orangeburg	0-16	2.9-9.5	2.2-7.1	4.5 - 6.0				
	16-70	1.8-5.1	1.3-3.8	4.5 - 6.0				
Faceville	0-10		2.0-4.0	4.5 - 5.5				
	10-17		3.0-4.0	4.5 - 5.5				
_								
Bourne								
Caroline								
Fluvaquents								
Coldoboro								
Goldsboro								
Kempsville								
Norfolk								
51B2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5				
l'acolet	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0				
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0				
	00 00		0.0 2					
Abell								
Appling								
Bourne								
bourne								
Cullen								
Iredell								
Orange								
Crange								
Spotsylvania								
Vanas								
Vance								
51C2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5				
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0				
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0				
Vance								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
51C2: Worsham								
Abell								
Appling								
Bourne								
Colfax								
Cullen								
Fluvaquents								
Helena								
Iredell								
Orange								
Spotsylvania								
Varina								
51D2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5				
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0				
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0				
Ashlar								
Fluvaquents								
Spotsylvania								
52C3:								
Pacolet	0-5	3.3-6.2	2.4-4.7	4.5 - 6.5				
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0				
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0				
Abell								
Colfax								
Cullen								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
52C3:								
Fluvaquents								
Helena								
Vance								
i3B:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5				
i acolet	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0				
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0				
Casil	0.5	1010	4000	45.05				
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5				
	5-53	3.5-7.5 1.0-4.0	2.6-5.6	4.5 - 5.5				
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0				
Abell								
Cullen								
Iredell								
Orange								
Spotsylvania								
Vance								
3C2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5				
i doulet	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0 4.5 - 6.0				
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0				
Casil	0.5	4040	4000	45.05				
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5				
	5-53	3.5-7.5 1.0-4.0	2.6-5.6	4.5 - 5.5				
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0				
Cullen								
Fluvaquents								
Spotsylvania								
4B:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3				
r amaintoy	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3				
	9- 0	₸.ʊ-ʊ.ʊ	J.7-1.U	0.1-7.0				

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
-	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
54B:								
Altavista								
Augusta								
Kenansville variant								
Tarboro								
55A:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3				
-	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3				
	46-99	0.2-5.6	0.2-4.2	5.1 - 6.0				
Altavista								
Augusta								
Goldsboro								
Wahee								
55B:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3				
•	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3				
	46-99	0.2-5.6	0.2-4.2	5.1 - 6.0				
Altavista								
Augusta								
Fluvaquents								
Goldsboro								
Wahee								
56:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3				
•	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3				
	46-99	0.2-5.6	0.2-4.2	5.1 - 6.0				
Altavista								
Augusta								
Chewacla								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
56:								
Fluvaquents								
57B:								
Pamunkey variant	0-9	4.2-14	3.2-11	5.1 - 7.3				
	9-26	1.2-5.6	0.9-4.2	5.1 - 6.5				
	26-60	0.5-2.5	0.4-1.9	5.1 - 6.5				
Altavista								
Chewacla								
Fluvaquents								
Tarboro								
Udifluvents								
Wahee								
58C:								
Pinkston	0-12	4.6-8.6	3.5-6.4	4.5 - 5.5				
	12-32	3.5-8.1	2.6-6.1	4.5 - 5.5				
	32-79							
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0				
•	8-47	3.8-8.2	2.9-6.2	4.5 - 6.0				
	47-79	2.0-5.1	1.5-3.8	4.5 - 5.5				
Colfax								
Creedmoor								
Helena								
Edgehill variant								
58D:								
Pinkston	0-12	4.6-8.6	3.5-6.4	4.5 - 5.5				
	12-32	3.5-8.1	2.6-6.1	4.5 - 5.5				
	32-79							
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0				
	8-47	3.8-8.2	2.9-6.2	4.5 - 6.0				
	47-79	2.0-5.1	1.5-3.8	4.5 - 5.5				
Chewacla								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
58D:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Fluvaquents								
Udifluvents								
58E:								
Pinkston	0-12 12-32	4.6-8.6 3.5-8.1	3.5-6.4 2.6-6.1	4.5 - 5.5 4.5 - 5.5				
	32-79							
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0				
	8-47 47-79	3.8-8.2 2.0-5.1	2.9-6.2 1.5-3.8	4.5 - 6.0 4.5 - 5.5				
Chewacla								
Fluvaquents								
Udifluvents								
9:								
Pits, borrow								
60:								
Pits, quarry								
1:								
Rains	0-17	3.5-19	2.6-14	3.6 - 6.5				
	17-68 68-79	5.6-11 0.5-16	4.2-8.2 0.4-12	3.6 - 5.5 3.6 - 5.5				
Dunkan								
Dunbar								
Duplin								
Goldsboro								
Suffolk								
2B:								
Spotsylvania	0-12	1.6-6.5	1.2-4.9	4.5 - 6.0				
	12-25 25-60	2.0-4.6 3.5-6.1	1.5-3.4 2.6-4.5	4.5 - 5.5 4.5 - 5.5				



Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
52B:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5				
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5				
	68-76	3.0-15	2.2-11	3.6 - 6.0				
Abell								
Appling								
Cecil								
Faceville								
Masada								
Norfolk								
Orangeburg								
Pacolet								
Vance								
Varina								
vanna								
Wedowee								
2C:								
Spotsylvania	0-12	1.6-6.5	1.2-4.9	4.5 - 6.0				
	12-25	2.0-4.6	1.5-3.4	4.5 - 5.5				
	25-60	3.5-6.1	2.6-4.5	4.5 - 5.5				
D	0.40	0.5.40	0.0.0.0	45.05				
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5				
	13-24 24-68	5.0-8.8 3.8-8.8	3.8-6.6 2.8-6.0	3.6 - 5.5 3.6 - 5.5				
	68-76	3.0-o.o 3.0-15	2.0-0.0	3.6 - 5.5 3.6 - 6.0				
	00-70	3.0-13	2.2-11	3.0 - 0.0				
Abell								
Appling								
Cecil								
Pacolet								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
62C:								
Fluvaquents								
63A:								
Suffolk	0-9	2.1-4.8	1.6-3.6	3.6 - 6.0				
	9-51	2.5-9.4	1.9-7.0	3.6 - 6.0				
	51-72	0.5-5.6	0.4-4.2	3.6 - 6.0				
Faceville								
Bourne								
Caroline								
Dogue								
Goldsboro								
Kempsville								
Kenansville								
Norfolk								
Orangeburg								
63B:								
Suffolk	0-9	2.1-4.8	1.6-3.6	3.6 - 6.0				
	9-51	2.5-9.4	1.9-7.0	3.6 - 6.0				
	51-72	0.5-5.6	0.4-4.2	3.6 - 6.0				
Kempsville								
Bourne								
Caroline								
Dogue								
Faceville								
Goldsboro								
Kenansville								
Norfolk								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
63B:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Orangeburg								
63C:								
Suffolk	0-9	2.1-4.8	1.6-3.6	3.6 - 6.0				
	9-51	2.5-9.4	1.9-7.0	3.6 - 6.0				
	51-72	0.5-5.6	0.4-4.2	3.6 - 6.0				
Bourne								
Kempsville								
Norfolk								
Orangeburg								
Faceville								
Fluvaquents								
64B:								
Tarboro	0-12	1.9-4.8	1.4-3.6	4.5 - 6.5				
	12-94	0.5-2.3	0.4-1.7	4.5 - 6.5				
Altavista								
Chewacla								
Fluvaquents								
Forestdale								
Pamunkey								
Wehadkee								
65B:								
Turbeville	0-10	2.9-11	2.2-8.1	4.5 - 5.5				
	10-79	11-22	7.9-16	4.5 - 5.5				
Altavista								
Faceville								
Masada								

Ochrepts Abell Appling Pacolet Wedowee 66D: Udalfs	0-6 6-25 25-39 39-54 54-58 0-3 3-16 16-41 41-51	meq/100 g 2.9-11 7.0-13 3.5-13 2.9-14 1.8-9.9	meq/100 g 2.2-8.1 5.2-10 2.6-10 2.2-11 1.3-7.4	pH 5.1 - 7.3 5.1 - 7.3 5.1 - 7.3 3.6 - 5.5 3.6 - 5.5	Pct	Pct	mmhos/cm 0.0 0.0 0.0	0 0 0
Norfolk 66C: Udalfs Ochrepts Abell Appling Pacolet Wedowee 66D: Udalfs	0-6 6-25 25-39 39-54 54-58 0-3 3-16 16-41 41-51	2.9-11 7.0-13 3.5-13 2.9-14 1.8-9.9 	2.2-8.1 5.2-10 2.6-10 2.2-11 1.3-7.4 	5.1 - 7.3 5.1 - 7.3 5.1 - 7.3 3.6 - 5.5 3.6 - 5.5		 	0.0 0.0 0.0 	0 0 0
GGC: Udalfs Ochrepts Abell Appling Pacolet Wedowee GGD: Udalfs	0-6 6-25 25-39 39-54 54-58 0-3 3-16 16-41 41-51	2.9-11 7.0-13 3.5-13 2.9-14 1.8-9.9 	2.2-8.1 5.2-10 2.6-10 2.2-11 1.3-7.4 	5.1 - 7.3 5.1 - 7.3 5.1 - 7.3 3.6 - 5.5 3.6 - 5.5		 	0.0 0.0 0.0 	0 0 0
Ochrepts Abell Appling Pacolet Wedowee 66D: Udalfs	6-25 25-39 39-54 54-58 0-3 3-16 16-41 41-51	7.0-13 3.5-13 2.9-14 1.8-9.9 	5.2-10 2.6-10 2.2-11 1.3-7.4 	5.1 - 7.3 5.1 - 7.3 3.6 - 5.5 3.6 - 5.5		 	0.0 0.0 	0 0
Ochrepts Abell Appling Pacolet Wedowee 66D: Udalfs	6-25 25-39 39-54 54-58 0-3 3-16 16-41 41-51	7.0-13 3.5-13 2.9-14 1.8-9.9 	5.2-10 2.6-10 2.2-11 1.3-7.4 	5.1 - 7.3 5.1 - 7.3 3.6 - 5.5 3.6 - 5.5		 	0.0 0.0 	0 0
Ochrepts Abell Appling Pacolet Wedowee 66D: Udalfs	6-25 25-39 39-54 54-58 0-3 3-16 16-41 41-51	7.0-13 3.5-13 2.9-14 1.8-9.9 	5.2-10 2.6-10 2.2-11 1.3-7.4 	5.1 - 7.3 5.1 - 7.3 3.6 - 5.5 3.6 - 5.5		 	0.0 0.0 	0 0
Ochrepts Abell Appling Pacolet Wedowee 66D: Udalfs	25-39 39-54 54-58 0-3 3-16 16-41 41-51	3.5-13 2.9-14 1.8-9.9 	2.6-10 2.2-11 1.3-7.4 	5.1 - 7.3 3.6 - 5.5 3.6 - 5.5 		 	0.0 	0
Abell Appling Pacolet Wedowee 66D: Udalfs	39-54 54-58 0-3 3-16 16-41 41-51	2.9-14 1.8-9.9 	2.2-11 1.3-7.4 	3.6 - 5.5 3.6 - 5.5 		 	 	
Abell Appling Pacolet Wedowee 66D: Udalfs	0-3 3-16 16-41 41-51	2.9-14 1.8-9.9 	2.2-11 1.3-7.4 	3.6 - 5.5 3.6 - 5.5 	 		 	
Abell Appling Pacolet Wedowee 36D: Udalfs	0-3 3-16 16-41 41-51 	2.9-14 1.8-9.9 	2.2-11 1.3-7.4 	3.6 - 5.5 3.6 - 5.5 	 	 	 	
Abell Appling Pacolet Wedowee 66D: Udalfs	3-16 16-41 41-51 	1.8-9.9 	1.3-7.4 	3.6 - 5.5 				
Abell Appling Pacolet Wedowee 66D: Udalfs	16-41 41-51 							
Abell Appling Pacolet Wedowee 66D: Udalfs	16-41 41-51 							
Abell Appling Pacolet Wedowee 66D: Udalfs	41-51 							
Appling Pacolet Wedowee 66D: Udalfs								
Appling Pacolet Wedowee 66D: Udalfs								
Pacolet Wedowee 66D: Udalfs								
Wedowee 66D: Udalfs								
66D: Udalfs								
Udalfs								
Udalfs								
	0.6	2.9-11	2.2-8.1	5.1 - 7.3			0.0	0
	0-6 6-25			5.1 - 7.3 5.1 - 7.3			0.0	0
		7.0-13	5.2-10				0.0	0
	25-39	3.5-13	2.6-10	5.1 - 7.3			0.0	0
	39-54							
Oakaata	54-58							
Ochrepts	0-3	2.9-14	2.2-11	3.6 - 5.5				
·	3-16	1.8-9.9	1.3-7.4	3.6 - 5.5				
	16-41							
	41-51							
Abell								
Appling								
Fluvaquents								
Pacolet								
Wedowee								
Worsham								

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
66F:								
Udalfs	0-6	2.9-11	2.2-8.1	5.1 - 7.3			0.0	0
	6-25	7.0-13	5.2-10	5.1 - 7.3			0.0	0
	25-39	3.5-13	2.6-10	5.1 - 7.3			0.0	0
	39-54							
	54-58							
Ochrepts	0-3	2.9-14	2.2-11	3.6 - 5.5				
	3-16	1.8-9.9	1.3-7.4	3.6 - 5.5				
	16-41							
	41-51							
Abell								
Appling								
Fluvaquents								
Pacolet								
Wedowee								
Worsham								
67:								
Udifluvents	0-10	5.8-18	4.3-13	4.5 - 7.3			0.0	0
	10-62	8.6-19	6.4-14	4.5 - 7.3			0.0	0
68:								
Udorthents								
69C:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0				
Gadito	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0				
	35-60	5.2-11	3.9-8.3	4.5 - 6.0				
Goldsboro								
Fluvaquents								
COD:								
69D:	0.44	2000	2222	45.00				
Udults	0-14 14.35	2.9-9.0	2.2-6.8	4.5 - 6.0				
	14-35 35-60	4.5-9.9 5.2-11	3.4-7.4 3.9-8.3	4.5 - 6.0 4.5 - 6.0				
		÷-= · ·						
Goldsboro								
Fluvaquents								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
69D:	ln	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
70B:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0				
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0				
	35-60	5.2-11	3.9-8.3	4.5 - 6.0				
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5				
	4-45	5.6-11	4.2-8.2	4.5 - 6.0				
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0				
Fluvaquents								
Goldsboro								
70C:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0				
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0				
	35-60	5.2-11	3.9-8.3	4.5 - 6.0				
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5				
	4-45	5.6-11	4.2-8.2	4.5 - 6.0				
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0				
Goldsboro								
Fluvaquents								
70D:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0				
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0				
	35-60	5.2-11	3.9-8.3	4.5 - 6.0				
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5				
Comepte	4-45	5.6-11	4.2-8.2	4.5 - 6.0				
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0				
Goldsboro								
Fluvaquents								
70E:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0		_		
Oddits	14-35	4.5-9.9	2.2-0.6 3.4-7.4	4.5 - 6.0 4.5 - 6.0				
	14-00	ਜ.ਹ -ਹ.ਹ	J.7-1.4	7.0 - 0.0				

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
70E:	0.4	0.0.44	0.7.0.4	45.05				
Ochrepts	0-4 4-45	3.6-11 5.6-11	2.7-8.4 4.2-8.2	4.5 - 6.5 4.5 - 6.0				
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0				
Goldsboro								
Fluvaquents								
70F:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0				
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0				
	35-60	5.2-11	3.9-8.3	4.5 - 6.0				
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5				
	4-45	5.6-11	4.2-8.2	4.5 - 6.0				
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0				
Goldsboro								
Fluvaquents								
71B:								
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0				
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5				
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0				
Worsham								
Abell								
Bourne								
Cecil								
Colfax								
Cullen								
Fluvaquents								
Helena								
Iredell								
Norfolk								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
71B:								
Orange								
Pacolet								
Spotsylvania								
Wedowee								
71C2:								
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0				
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5				
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0				
Worsham								
Abell								
Bourne								
Cecil								
Colfax								
Cullen								
Fluvaquents								
Helena								
Iredell								
Norfolk								
Orange								
Pacolet								
Spotsylvania								
Wedowee								
2B:								
Varina	0-7	1.6-6.5	1.2-4.9	4.5 - 6.5				
-	7-65	3.5-4.0	2.6-3.0	4.5 - 5.5				

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
72B:	0.40	0.5.40	0.000	45.05				
Bourne	0-13 13-24	3.5-12	2.6-8.8	4.5 - 6.5				
	24-68	5.0-8.8 3.8-8.8	3.8-6.6 2.8-6.0	3.6 - 5.5 3.6 - 5.5				
	68-76	3.0-0.0	2.2-11	3.6 - 6.0				
Abell								
Appling								
Cecil								
Duplin								
Edgehill variant								
Faceville								
Goldsboro								
Orangeburg								
Spotsylvania								
Norfolk								
Vance								
73:								
Wahee	0-8 8-65	4.6-21 12-22	3.5-16 9.2-17	4.5 - 6.0 3.6 - 5.5				
Abell								
Altavista								
Dogue								
Fluvaquents								
Forestdale								
Iredell								
Orange								
Fork								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
73:	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
74B2: Wedowee	0-5	1.6-8.8	1.2-6.6	3.6 - 5.5				
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5				
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5				
Iredell								
Norfolk								
Orange								
Abell								
Bourne								
Cecil								
Colfax								
Helena								
Spotsylvania								
Turbeville								
Vance								
Varina								
74C2:								
Wedowee	0-5 5-33	1.6-8.8 3.0-7.1	1.2-6.6 2.2-5.3	3.6 - 5.5 3.6 - 5.5				
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5				
Worsham								
Abell								
Bourne								
Cecil								
Chewacla								
Colfax								



Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
74C2:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
7 102.								
Fluvaquents								
Helena								
Iredell								
Orange								
Turbeville								
Vance								
Varina								
74D2:								
Wedowee	0-5	1.6-8.8	1.2-6.6	3.6 - 5.5				
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5				
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5				
Fluvaquents								
Vance								
Worsham								
Abell								
Ashlar								
Chewacla								
75C3:								
Wedowee	0-5	3.8-7.4	2.9-5.5	3.6 - 5.5				
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5				
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5				
Abell								
Colfax								
Fluvaquents								
Iredell								
Orange								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
75C3:								
Spotsylvania								
Vance								
Worsham								
75D3:								
Wedowee	0-5	3.8-7.4	2.9-5.5	3.6 - 5.5				
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5				
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5				
Abell								
Ashlar								
Chewacla								
Fluvaquents								
Worsham								
76D:								
Wedowee	0-5	1.6-8.8	1.2-6.6	3.6 - 5.5				
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5				
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5				
Ashlar	0.11	1.6-3.8	1.2-2.8	45.60				
Asniar	0-11	0.5-2.6		4.5 - 6.0				
	11-30		0.4-2.0	4.5 - 5.5				
	30-34							
Edgehill variant								
Fluvaquents								
Vance								
77:								
Wehadkee	0-8	5.8-18	4.3-13	4.5 - 6.5				
	8-79	5.6-16	4.2-12	4.5 - 6.5				
Forestdale								
Goldsboro								
Worsham								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
77:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
Abell								
Altavista								
Augusta								
Chewacla								
Colfax								
Fluvaquents								
Helena								
Pamunkey								
Wahee								
78: Worsham	0-11 11-60	5.8-12 11-20	4.3-8.6 7.9-15	4.5 - 5.5 4.5 - 5.5			 	
Fluvaquents								
Helena								
Iredell								
Abell								
Colfax								
Orange								
W: Water								